

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/427,873

DATE: 08/01/2000
TIME: 15:07:56

Input Set : A:\09427873.txt
Output Set: N:\CRF3\08012000\I427873.raw

ENTERED

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Boyd, Michael R.
7 Gustafson, Kirk R.
8 Shoemaker, Robert H.
9 McMahon, James B.
11 (ii) TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
12 CODING SEQUENCES THEREFOR, AND USES THEREOF
14 (iii) NUMBER OF SEQUENCES: 4
16 (iv) CORRESPONDENCE ADDRESS:
17 (A) ADDRESSEE: Leydig, Voit & Mayer, Ltd.
18 (B) STREET: Two Prudential Plaza, Suite 4900
19 (C) CITY: Chicago
20 (D) STATE: IL
21 (E) COUNTRY: U.S.A.
22 (F) ZIP: 60601-6780
24 (v) COMPUTER READABLE FORM:
25 (A) MEDIUM TYPE: Floppy disk
26 (B) COMPUTER: IBM PC compatible
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
30 (vi) CURRENT APPLICATION DATA:
C--> 31 (A) APPLICATION NUMBER: US/09/427,873
C--> 32 (B) FILING DATE: 27-Oct-1999
33 (C) CLASSIFICATION:
35 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: 08/429,965
37 (B) FILING DATE:
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: Larcher, Carol
41 (B) REGISTRATION NUMBER: 35243
42 (C) REFERENCE/DOCKET NUMBER: 61037
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: (312)616-5600
46 (B) TELEFAX: (312)616-5700
49 (2) INFORMATION FOR SEQ ID NO: 1:
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 327 base pairs
53 (B) TYPE: nucleic acid
54 (C) STRANDEDNESS: double
55 (D) TOPOLOGY: linear
57 (ii) MOLECULE TYPE: DNA (genomic)
60 (ix) FEATURE:
61 (A) NAME/KEY: CDS
62 (B) LOCATION: 10..312
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
67 CGATCGAAG CTT GGT AAA TTC TCC CAG ACC TGC TAC AAC TCC GCT ATC

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68      Leu Gly Lys Phe Ser Gln Thr Cys Tyr Asn Ser Ala Ile
69      1          5          10
71 CAG GGT TCC GTT CTG ACC TCC ACC TGC GAA CGT ACC AAC GGT GGT TAC      96
72 Gln Gly Ser Val Leu Thr Ser Thr Cys Glu Arg Thr Asn Gly Gly Tyr
73      15          20          25
75 AAC ACC TCC TCC ATC GAC CTG AAC TCC GTT ATC GAA AAC GTT GAC GGT      144
76 Asn Thr Ser Ser Ile Asp Leu Asn Ser Val Ile Glu Asn Val Asp Gly
77 30          35          40          45
79 TCC CTG AAA TGG CAG CCG TCC AAC TTC ATC GAA ACC TGC CGT AAC ACC      192
80 Ser Leu Lys Trp Gln Pro Ser Asn Phe Ile Glu Thr Cys Arg Asn Thr
81      50          55          60
83 CAG CTG GCT GGT TCC TCC GAA CTG GCT GCT GAA TGC AAA ACC CGT GCT      240
84 Gln Leu Ala Gly Ser Ser Glu Leu Ala Ala Glu Cys Lys Thr Arg Ala
85      65          70          75
87 CAG CAG TTC GTT TCC ACC AAA ATC AAC CTG GAC GAC CAC ATC GCT AAC      288
88 Gln Gln Phe Val Ser Thr Lys Ile Asn Leu Asp Asp His Ile Ala Asn
89      80          85          90
91 ATC GAC GGT ACC CTG AAA TAC GAA TAACTCGAGA TCGTA      327
92 Ile Asp Gly Thr Leu Lys Tyr Glu
93      95          100
96 (2) INFORMATION FOR SEQ ID NO: 2:
97 (i) SEQUENCE CHARACTERISTICS:
98 (A) LENGTH: 101 amino acids
99 (B) TYPE: amino acid
100 (D) TOPOLOGY: linear
101 (ii) MOLECULE TYPE: protein
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
107 Leu Gly Lys Phe Ser Gln Thr Cys Tyr Asn Ser Ala Ile Gln Gly Ser
108 1          5          10          15
110 Val Leu Thr Ser Thr Cys Glu Arg Thr Asn Gly Gly Tyr Asn Thr Ser
111      20          25          30
113 Ser Ile Asp Leu Asn Ser Val Ile Glu Asn Val Asp Gly Ser Leu Lys
114      35          40          45
116 Trp Gln Pro Ser Asn Phe Ile Glu Thr Cys Arg Asn Thr Gln Leu Ala
117      50          55          60
119 Gly Ser Ser Glu Leu Ala Ala Glu Cys Lys Thr Arg Ala Gln Gln Phe
120      65          70          75          80
122 Val Ser Thr Lys Ile Asn Leu Asp Asp His Ile Ala Asn Ile Asp Gly
123      85          90          95
125 Thr Leu Lys Tyr Glu
126      100
128 (2) INFORMATION FOR SEQ ID NO: 3:
129 (i) SEQUENCE CHARACTERISTICS:
130 (A) LENGTH: 327 base pairs
131 (B) TYPE: nucleic acid
132 (C) STRANDEDNESS: double
133 (D) TOPOLOGY: linear
134 (ii) MOLECULE TYPE: DNA (genomic)
135 (ix) FEATURE:

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140      (A) NAME/KEY: CDS
141      (B) LOCATION: 1..327
144      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
146 GAC TAC AAG GAC GAC GAT GAC AAG CTT GGT AAA TTC TCC CAG ACC TGC      48
147 Asp Tyr Lys Asp Asp Asp Asp Lys Leu Gly Lys Phe Ser Gln Thr Cys
148 1      5      10      15
150 TAC AAC TCC GCT ATC CAG GGT TCC GTT CTG ACC TCC ACC TGC GAA CGT      96
151 Tyr Asn Ser Ala Ile Gln Gly Ser Val Leu Thr Ser Thr Cys Glu Arg
152      20      25      30
154 ACC AAC GGT GGT TAC AAC ACC TCC TCC ATC GAC CTG AAC TCC GTT ATC      144
155 Thr Asn Gly Gly Tyr Asn Thr Ser Ser Ile Asp Leu Asn Ser Val Ile
156      35      40      45
158 GAA AAC GTT GAC GGT TCC CTG AAA TGG CAG CCG TCC AAC TTC ATC GAA      192
159 Glu Asn Val Asp Gly Ser Leu Lys Trp Gln Pro Ser Asn Phe Ile Glu
160      50      55      60
162 ACC TGC CGT AAC ACC CAG CTG GCT GGT TCC TCC GAA CTG GCT GCT GAA      240
163 Thr Cys Arg Asn Thr Gln Leu Ala Gly Ser Ser Glu Leu Ala Ala Glu
164 65      70      75      80
166 TGC AAA ACC CGT GCT CAG CAG TTC GTT TCC ACC AAA ATC AAC CTG GAC      288
167 Cys Lys Thr Arg Ala Gln Gln Phe Val Ser Thr Lys Ile Asn Leu Asp
168      85      90      95
170 GAC CAC ATC GCT AAC ATC GAC GGT ACC CTG AAA TAC GAA      327
171 Asp His Ile Ala Asn Ile Asp Gly Thr Leu Lys Tyr Glu
172      100      105
175 (2) INFORMATION FOR SEQ ID NO: 4:
177      (i) SEQUENCE CHARACTERISTICS:
178          (A) LENGTH: 109 amino acids
179          (B) TYPE: amino acid
180          (D) TOPOLOGY: linear
182      (ii) MOLECULE TYPE: protein
184      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
186 Asp Tyr Lys Asp Asp Asp Asp Lys Leu Gly Lys Phe Ser Gln Thr Cys
187 1      5      10      15
189 Tyr Asn Ser Ala Ile Gln Gly Ser Val Leu Thr Ser Thr Cys Glu Arg
190      20      25      30
192 Thr Asn Gly Gly Tyr Asn Thr Ser Ser Ile Asp Leu Asn Ser Val Ile
193      35      40      45
195 Glu Asn Val Asp Gly Ser Leu Lys Trp Gln Pro Ser Asn Phe Ile Glu
196      50      55      60
198 Thr Cys Arg Asn Thr Gln Leu Ala Gly Ser Ser Glu Leu Ala Ala Glu
199 65      70      75      80
201 Cys Lys Thr Arg Ala Gln Gln Phe Val Ser Thr Lys Ile Asn Leu Asp
202      85      90      95
204 Asp His Ile Ala Asn Ile Asp Gly Thr Leu Lys Tyr Glu
205      100      105

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L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]